



Fast Ethernet



Quad Channel 10/100BaseTX-FX Media Converter

This 19" Rack-Mountable device implements the innovative **BMD (Buffered Media Domain)** technology to provide an unconditioned network extension over m/m fiber of 2000 m (6600 ft), in any network architecture (even when such includes repeaters). Its copper ports are auto-sensing to provide easy migration from 10 Mbps to 100 Mbps transmission rates. Special attention was given to allow easy installation and maintenance: MDI-II/MDI-X switch in each

channel to eliminate crossed cables, redundant power-supply, directly removable (hot-swap) power-supply, extensive front-panel diagnostics and more. It is factory pre-configured and several S.CON devices can be mixed and stacked to achieve the exact number of channels required while occupying minimal rack-space. No PDV calculation need to be performed prior to implementing in a network - full performance is always guaranteed.

Key Features

- **Top Performance**
Maximal distances (2000 m F/O, 100 m STP) in any network architecture
- **Protection of Investment**
10Base-T support for easy migration
- **Rack-Space Saving**
Only 1U high
- **Easy Network Design**
No PDV calculations needed
- **Reliability**
Redundant (optional) power-supply
- **Maintainability**
Directly-removable/hot-swap power-supply

General Specifications

Standard Compliance

IEEE 802.3u, 100Base-TX, 10Base-T, FDSE, 100Base-FX

Conversion Method

BMD (Buffered Media Domain)

10/100Base-TX ports (4)

Shielded RJ-45

Half/Full Duplex support via auto-sensing or manual (DIP switch)

100m over UTP/STP Cat.5 cable

Auto-Polarity correction

MDI-II/MDI-X selection

10Base-T support via auto-sensing or manual (DIP switch)

100Base-FX ports (4)

1310 nm, multi-mode, SC connectors

Distance: 2000m (6600ft)

Half or Full Duplex (DIP switch selectable)

Output Power: -18 dbm or better

Input Sensitivity: -32 dbm or better
@62.5/125 μ m fiber

Diagnostics per channel

Full Duplex, Link, RCV -F/O side

Full Duplex, Link, RCV, 100M bps – copper side

Controls per channel

FX: FDX/HDX

TX: 10/100, FDX/HDX,

Auto-Sense enable/disable

Diagnostics per System

Power (Dual, if redundant power-supply installed)

Environmental and Physical

Power-Supply

100 to 240 VAC, 50-60Hz, intergrated fan
Optional Redundant PS, load-sharing

Power Consumption

30 Watts maximum

Operating Temperature

0° to +40°C (+32° to 104° F)

Humidity: 10% to 90% non-condensing

Storage Temperature

-30° to +65° C (-22° to +149° F)

Safety UL 1950:1995, EN 60950

EMC

FCC part 15, Subpart B, Class A; VCCI Class B;

ICES 003:1997, Class A; EMC Directive 89/336/EEC

Dimensions

441x265x44mm (17.3"x10.4"x1U)

Weight

3.3 kg (7.4 lb) max.

Ordering Information

S.CON4

19" R/M Quad Channel 10/100BaseTX-FX
Media Converter

S.CON/SM1

Single Mode (25km) option for one channel

S.CON/SM1/L

Single Mode, Long-Haul (40km) option for one
channel

S.CON/PS

Redundant Power-Supply

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